

## Chapter 2 Psychological Methods

Match the correct term with each description. Write the letter of the term in the space provided. Two terms are not used. ( 3 points each)

- |                       |                  |
|-----------------------|------------------|
| a. survey             | e. control group |
| b. hypothesis         | f. correlation   |
| c. experimental group | g. sample        |
| d. ethics             |                  |

- \_\_\_\_\_ 1. An educated guess, the 2<sup>nd</sup> step in the research process.
- \_\_\_\_\_ 2. A series of questions about a particular subject.
- \_\_\_\_\_ 3. A measure of how closely one thing is related to another; used for analyzing and interpreting observations.
- \_\_\_\_\_ 4. The group in an experiment that does not receive treatment.
- \_\_\_\_\_ 5. Standards for proper and responsible behavior.

Name the 6 <sup>9</sup> Methods of Observation (5 points each)

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_

Identify and use the following terms in a sentence ( 5pts. Each)

1. Bias.
2. Informed consent
3. Target Population
4. Case Study
5. Single Blind Study
6. Double Blind Study

## Feel Better with Fish

**Presents an overview of a research which showed that fish oil's omega-3 fatty acids may improve mood and mental health. Results of the research; Effect of fatty acids from fish oil on the communication channels in the brain.**

Fish-filled aquariums can be soothing, and now research shows that fish can even more profoundly affect outlook: Fish oil's omega-3 fatty acids may improve mood and mental health.

In a recent study published in the Archives of General Psychiatry, Andrew L. Stoll, M.D., a Harvard Medical School psychiatry professor, studied 30 bipolar disorder patients to determine whether eating fish oil or olive oil in conjunction with regular medication stabilized the patients' moods. After four months, patients eating fish oil showed a significantly longer period of remission from the disorder than those eating olive oil. And in a related study, 30 schizophrenic patients hospitalized for relapse were given fish oil as their sole treatment for 12 weeks. The oil decreased one-third of the patients' symptoms enough that they postponed taking antipsychotic drugs until the trial was concluded. Conducted by physicians at Oxford's Cochrane Schizophrenia Group, the study was reviewed recently in the Cochrane Database System Review.

Though they're unsure exactly how fish oil improves mood, researchers speculate that fatty acids like docosahexaenoic acid (DHA)—which aids in neural development—may help modulate overactive communication channels in the brain.

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1. What is the research question? \_\_\_\_\_
2. What is the hypothesis? \_\_\_\_\_
3. How did they test the hypothesis? \_\_\_\_\_
4. What was the conclusion? \_\_\_\_\_
5. Does Fish oil have a negative or positive correlation to bipolar disorder? \_\_\_\_\_

IV?

DV?